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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	4	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAplus
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	20	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	21	JUN 13	FRFULL enhanced with patent drawing images
NEWS	22	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	23	JUL 01	MEDICONF removed from STN
NEWS	24	JUL 07	STN Patent Forums to be held in July 2005
NEWS	25	JUL 13	SCISEARCH reloaded
NEWS	26	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	27	AUG 11	Derwent World Patents Index(R) web-based training during August
NEWS	28	AUG 11	STN AnaVist workshops to be held in North America

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:08:42 ON 26 AUG 2005

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:08:50 ON 26 AUG 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 AUG 2005 HIGHEST RN 861772-82-9
DICTIONARY FILE UPDATES: 24 AUG 2005 HIGHEST RN 861772-82-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

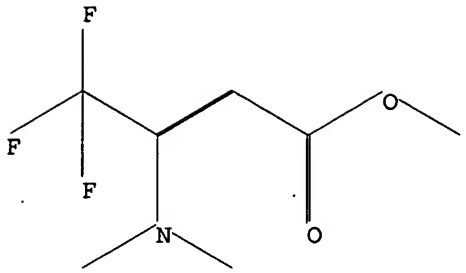
Please note that search-term pricing does apply when conducting SmartSELECT searches.

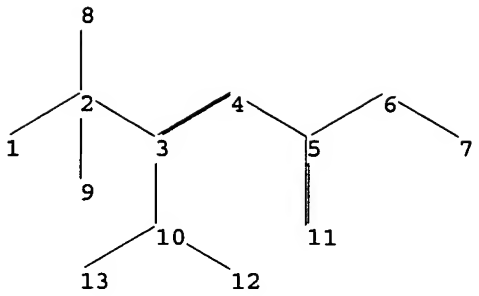
****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Structure search iteration limits have been increased. See HELP SLIMITS for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10511932\10511932 target cmpd.str



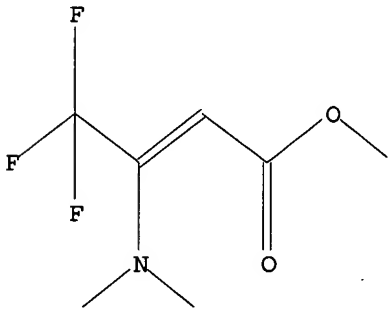


chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
1-2 2-3 2-8 2-9 3-4 3-10 4-5 5-6 5-11 6-7 10-12 10-13
exact/norm bonds :
3-10 5-6 5-11 6-7 10-12 10-13
exact bonds :
1-2 2-3 2-8 2-9 3-4 4-5

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 10:09:25 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 36 TO ITERATE

100.0% PROCESSED 36 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 360 TO 1080
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

```
=> search l1 sss sam
SAMPLE SEARCH INITIATED 10:14:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     36 TO ITERATE

100.0% PROCESSED       36 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          360 TO     1080
PROJECTED ANSWERS:               0 TO        0

L3             0 SEA SSS SAM L1

=>

=> search l1 sss full
FULL SEARCH INITIATED 10:15:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    593 TO ITERATE

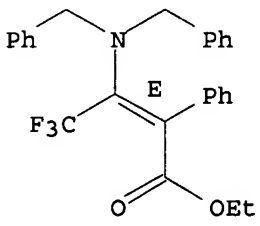
100.0% PROCESSED      593 ITERATIONS                                8 ANSWERS
SEARCH TIME: 00.00.01

L4             8 SEA SSS FUL L1

=> d scan

L4    8 ANSWERS   REGISTRY  COPYRIGHT 2005 ACS on STN
IN    Benzeneacetic acid, α-[1-[bis(phenylmethyl)amino]-2,2,2-
      trifluoroethylidene]-, ethyl ester, (αE)- (9CI)
MF    C26 H24 F3 N O2

Double bond geometry as shown.
```

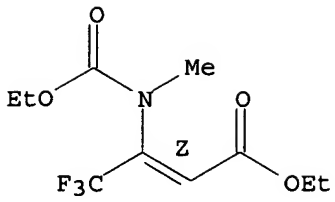



```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):8

L4    8 ANSWERS   REGISTRY  COPYRIGHT 2005 ACS on STN
IN    2-Butenoic acid, 3-[(ethoxycarbonyl)methylamino]-4,4,4-trifluoro-, ethyl
      ester, (2Z)- (9CI)
MF    C10 H14 F3 N O4

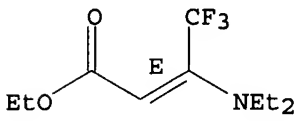
Double bond geometry as shown.
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 3-(diethylamino)-4,4,4-trifluoro-, ethyl ester, (2E)-(9CI)
MF C10 H16 F3 N O2

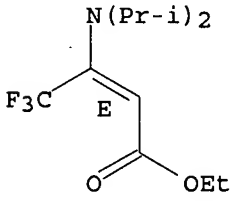
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 3-[bis(1-methylethyl)amino]-4,4,4-trifluoro-, ethyl ester, (2E)- (9CI)
MF C12 H20 F3 N O2

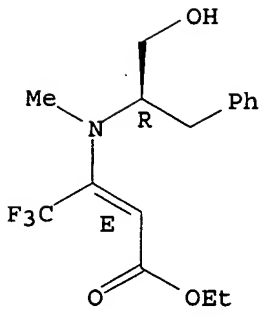
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 4,4,4-trifluoro-3-[[(1R)-1-(hydroxymethyl)-2-phenylethyl]methylamino]-, ethyl ester, (2E)- (9CI)
MF C16 H20 F3 N O3

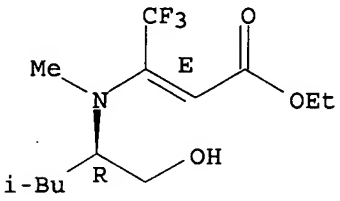
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 4,4,4-trifluoro-3-[[(1R)-1-(hydroxymethyl)-3-methylbutyl]methylamino]-, ethyl ester, (2E)- (9CI)
MF C13 H22 F3 N O3

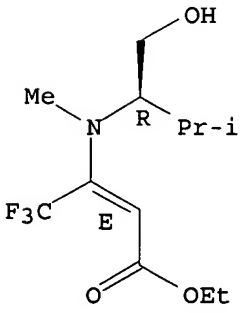
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

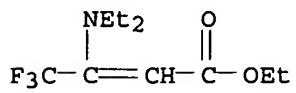
L4 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 4,4,4-trifluoro-3-[[(1R)-1-(hydroxymethyl)-2-methylpropyl]methylamino]-, ethyl ester, (2E)- (9CI)
MF C12 H20 F3 N O3

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L4 8 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 2-Butenoic acid, 3-(diethylamino)-4,4,4-trifluoro-, ethyl ester (9CI)
MF C10 H16 F3 N O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.06	166.27

FILE 'CAPLUS' ENTERED AT 10:16:14 ON 26 AUG 2005
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FILE COVERS 1907 - 26 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 25 Aug 2005 (20050825/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> l4
L5 5 L4

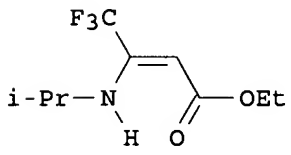
=> l4/prep
  5 L4
  3348673 PREP/RL
L6 4 L4/PREP
  (L4 (L) PREP/RL)

=> d l6 1-4 ti fbib abs

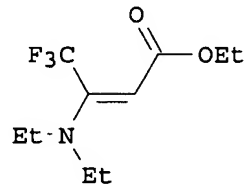
L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
TI A new synthesis of optically active 3-substituted (3S)-3,4-dihydro-5-(perfluoroalkyl)-2H-[1,4]oxazepin-7-ones
AN 2003:291077 CAPLUS
DN 139:117405
TI A new synthesis of optically active 3-substituted (3S)-3,4-dihydro-5-(perfluoroalkyl)-2H-[1,4]oxazepin-7-ones

AU Richard, Sebastien; Prie, Gildas; Guignard, Alain; Thibonnet, Jerome; Parrain, J.-Luc; Duchene, Alain; Abarbri, Mohamed
CS Laboratoire de Physicochimie des Interfaces et des Milieux Reactionnels, Faculte des Sciences de Tours, Tours, F-37200, Fr.
SO Helvetica Chimica Acta (2003), 86(3), 726-732
CODEN: HCACAV; ISSN: 0018-019X
PB Verlag Helvetica Chimica Acta
DT Journal
LA English
OS CASREACT 139:117405
AB Optically active (perfluoroalkyl)-oxazepin-7-ones were synthesized in two steps starting from Et perfluorobut-2-ynoate by direct addition of optically active amino alcs. via intermol. Michael addition and lactone formation.
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
TI Easy synthesis of (E)- or (Z)-perfluorinated β-enaminoesters
AN 2002:732461 CAPLUS
DN 138:187392
TI Easy synthesis of (E)- or (Z)-perfluorinated β-enaminoesters
AU Prie, Gildas; Richard, Sebastien; Parrain, Jean-Luc; Duchene, Alain; Abarbri, Mohamed
CS Faculte des Sciences de Tours, Laboratoire de Physicochimie des Interfaces et des Milieux Reactionnels, Tours, 37200, Fr.
SO Journal of Fluorine Chemistry (2002), 117(1), 35-41
CODEN: JFLCAR; ISSN: 0022-1139
PB Elsevier Science B.V.
DT Journal
LA English
OS CASREACT 138:187392
GI



I



II

AB (E)- or (Z)-perfluorinated β-enaminoesters, e.g. I and II, were prepared by direct addition of primary or secondary amines to Et perfluoroalkynoates without any catalyst.
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
TI Preparation of 6-(perfluoroalkyl)uracils from 3-(alkoxycarbonylamino)-3-perfluoroalkylacrylates and amines.
AN 2000:592705 CAPLUS
DN 133:177187
TI Preparation of 6-(perfluoroalkyl)uracils from 3-(alkoxycarbonylamino)-3-perfluoroalkylacrylates and amines.
IN Kameswaran, Venkataraman
PA American Cyanamid Company, USA
SO PCT Int. Appl., 91 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI	WO 2000049003	A1	20000824	WO 2000-US3795	20000214
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				US 1999-250725	A 19990216
	CA 2362996	AA	20000824	CA 2000-2362996	20000214
				US 1999-250725	A 19990216
				WO 2000-US3795	W 20000214
	EP 1150962	A1	20011107	EP 2000-911810	20000214
	EP 1150962	B1	20040428		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
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				WO 2000-US3795	W 20000214
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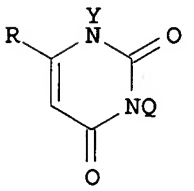
				US 1999-250725	A 19990216
				WO 2000-US3795	W 20000214
	JP 2002537290	T2	20021105	JP 2000-599743	20000214
				US 1999-250725	A 19990216
				WO 2000-US3795	W 20000214
	AT 265440	E	20040515	AT 2000-911810	20000214
				US 1999-250725	A 19990216
				WO 2000-US3795	W 20000214

OS CASREACT 133:177187; MARPAT 133:177187

GI



I

AB Title compds. [I; R = CnF2n+1; n = 1-6; Y = H, alkyl; Q = alkyl, (substituted) Ph, PhCH2, heteroaryl, methyleneheteroaryl], were prepared by reaction of CnF2n+1C(:CHCO2Z1)N(Y)CO2Z [Z, Z1 = alkyl, (substituted) PhCH2; n, Y as above] with QNH2 in the presence of base followed by optional alkylation. Thus, Et [(ethoxycarbonyl)amino]-4,4,4-trifluorocrotonate (preparation given), Me2CHNH2, and DBU were refluxed in xylene to give 61% 3-isopropyl-6-trifluoromethyl-2,4-(1H,3H)-pyrimidinedione.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

TI Concise stereoselective synthesis of 1-perfluoroalkyl enamines via the addition of N-lithiated amines to enol ethers and their subsequent metalation to form new functionalized enamines

AN 1998:317130 CAPLUS

DN 129:95082

TI Concise stereoselective synthesis of 1-perfluoroalkyl enamines via the addition of N-lithiated amines to enol ethers and their subsequent metalation to form new functionalized enamines

AU Begue, Jean-Pierre; Bonnet-Delpon, Daniele; Bouvet, Denis; Rock, Michael

H.
CS Centre d'Etudes Pharmaceutiques, BioCIS-CNRS, Chatenay-Malabry, F-92296, Fr.
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1998), (11), 1797-1800
CODEN: JCPRB4; ISSN: 0300-922X
PB Royal Society of Chemistry
DT Journal
LA English
OS CASREACT 129:95082
AB Addition of lithium amides, e.g., (PhCH2)2NLi, derived from a range of cyclic, sterically demanding, and chiral amines, to trifluoromethyl (Z)-enol ethers, e.g., (Z)-F3CC(OEt):CHPh and (Z)-F3CC(OEt):CHC6H4OMe-4, gave stereoselectively the corresponding (Z)-enamines, e.g. (Z)-(PhCH2)2NC(CF3):CHPh and (Z)-(PhCH2)2NC(CF3):CHC6H4OMe-4, in good yields. The reaction was extended to perfluoroalkyl and chlorofluoroalkyl enol ethers, e.g., EtOC(CClF2):CHPh. The enamines react with Me3CLi to give vinylic anions and, after quenching with aldehydes and Et chloroformate, provide new functionalized enamines, e.g., (PhCH2)2NC(CF3):C(Ph)CH(OH)Et.
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> trifluoroacetate
8419 TRIFLUOROACETATE
818 TRIFLUOROACETATES
L7 8790 TRIFLUOROACETATE
(TRIFLUOROACETATE OR TRIFLUOROACETATES)

=> l6 and l7
L8 0 L6 AND L7

=> FIL CASREACT

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.98	184.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.92	-2.92

FILE 'CASREACT' ENTERED AT 10:21:01 ON 26 AUG 2005

FILE CONTENT:1840 - 21 Aug 2005 VOL 143 ISS 8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

****
*
* CASREACT now has more than 9.2 million reactions *
*
****

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> SET NOTICE DISPLAY 1

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> D ACC 138:187392 ALL

THE ESTIMATED COST FOR THIS REQUEST IS 6.62 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:n
REQUEST CANCELED

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND
SET COMMAND COMPLETED

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	184.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:21:26 ON 26 AUG 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CASREACT' AT 10:55:30 ON 26 AUG 2005
FILE 'CASREACT' ENTERED AT 10:55:30 ON 26 AUG 2005
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	184.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	184.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:55:43 ON 26 AUG 2005

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CASREACT' AT 11:22:56 ON 26 AUG 2005
FILE 'CASREACT' ENTERED AT 11:22:56 ON 26 AUG 2005
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	184.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	184.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'REGISTRY' ENTERED AT 11:23:02 ON 26 AUG 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 24 AUG 2005 HIGHEST RN 861772-82-9
DICTIONARY FILE UPDATES: 24 AUG 2005 HIGHEST RN 861772-82-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************
```

Structure search iteration limits have been increased. See HELP SLIMITS
for details.

Experimental and calculated property data are now available. For more

```
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e ethyl-4,4,4-trifluoacetoacetate/cn
E1            1      ETHYL-3-PROPOXYBENZIMIDATE/CN
E2            1      ETHYL-4,12-TRIDECADIENOATE/CN
E3            0 --> ETHYL-4,4,4-TRIFLUOACETOACETATE/CN
E4            1      ETHYL-4,6-DI-O-ACETYL-A-Ψ-D-GLUCAL/CN
E5            1      ETHYL-4,6-DI-O-ACETYL-2,3-DIDEOXY-A-D-ERYTHROHEX-2-ENO
                     PYRANOSIDE/CN
E6            1      ETHYL-4-(9-(1-ETHYL-4(1H)-QUINOLYLIDENE)-5-HYDROXY-1,3,5,7-N
                     ONATETRAENYL)-1-QUINOLINIUM PERCHLORATE, ACETATE/CN
E7            1      ETHYL-4-ACETYL-3,5-DIMETHYLPYRROLE-2-CARBOXYLATE/CN
E8            1      ETHYL-4-BROMO-2,5-DICHLOROPHENYL PHOSPHOROTHIONATE/CN
E9            1      ETHYL-4-GUANIDINOBENZOATE/CN
E10           1      ETHYL-4-METHYLDIBENZOTHIOPHENE/CN
E11           1      ETHYL-4H-1,2,4-TRIAZOLE-4-CARBAMATE/CN
E12           1      ETHYL-6-AMINO-3,4-DIISOBUTOXYBENZOATE/CN

=> e ethyl-4,4,4-trifluoroacetoacetate/cn
E1            1      ETHYL-3-PROPOXYBENZIMIDATE/CN
E2            1      ETHYL-4,12-TRIDECADIENOATE/CN
E3            0 --> ETHYL-4,4,4-TRIFLUOROACETOACETATE/CN
E4            1      ETHYL-4,6-DI-O-ACETYL-A-Ψ-D-GLUCAL/CN
E5            1      ETHYL-4,6-DI-O-ACETYL-2,3-DIDEOXY-A-D-ERYTHROHEX-2-ENO
                     PYRANOSIDE/CN
E6            1      ETHYL-4-(9-(1-ETHYL-4(1H)-QUINOLYLIDENE)-5-HYDROXY-1,3,5,7-N
                     ONATETRAENYL)-1-QUINOLINIUM PERCHLORATE, ACETATE/CN
E7            1      ETHYL-4-ACETYL-3,5-DIMETHYLPYRROLE-2-CARBOXYLATE/CN
E8            1      ETHYL-4-BROMO-2,5-DICHLOROPHENYL PHOSPHOROTHIONATE/CN
E9            1      ETHYL-4-GUANIDINOBENZOATE/CN
E10           1      ETHYL-4-METHYLDIBENZOTHIOPHENE/CN
E11           1      ETHYL-4H-1,2,4-TRIAZOLE-4-CARBAMATE/CN
E12           1      ETHYL-6-AMINO-3,4-DIISOBUTOXYBENZOATE/CN

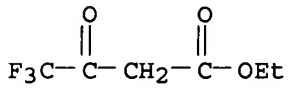
=> e ethyl 4,4,4-trifluoroacetoacetate/cn
E1            1      ETHYL 4,4,4-TRIFLUORO-3-OXOBUTANOATE/CN
E2            1      ETHYL 4,4,4-TRIFLUORO-3-OXOBUTYRATE/CN
E3            1 --> ETHYL 4,4,4-TRIFLUOROACETOACETATE/CN
E4            1      ETHYL 4,4,4-TRIFLUOROACETYLACETONATE/CN
E5            1      ETHYL 4,4,4-TRIFLUOROBUTANOATE/CN
E6            1      ETHYL 4,4,4-TRIFLUOROBUTYRATE/CN
E7            1      ETHYL 4,4,4-TRIFLUOROCROTONATE/CN
E8            1      ETHYL 4,4,4-TRINITROBUTYRATE/CN
E9            1      ETHYL 4,4,5,5,5-PENTAFLUORO-3-METHOXY-2-PENTENOATE/CN
E10           1      ETHYL 4,4,5,5,5-PENTAFLUORO-3-OXOPENTANOATE/CN
E11           1      ETHYL 4,4,5,5,5-PENTAFLUORO-3-OXOVALERATE/CN
E12           1      ETHYL 4,4,5,5-TETRAFLUORO-3-OXOPENTANOATE/CN

=> e3
L9            1 "ETHYL 4,4,4-TRIFLUOROACETOACETATE"/CN

=> d l9

L9   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   372-31-6  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Butanoic acid, 4,4,4-trifluoro-3-oxo-, ethyl ester (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Acetoacetic acid, 4,4,4-trifluoro-, ethyl ester (6CI, 8CI)
OTHER NAMES:
CN   1-Ethoxy-4,4,4-trifluorobutane-1,3-dione
CN   4,4,4-Trifluoro-3-oxobutanoic acid ethyl ester
CN   4,4,4-Trifluoroacetoacetic acid ethyl ester
```

CN Ethyl (trifluoroacetyl)acetate
CN Ethyl γ,γ,γ-trifluoroacetoacetate
CN Ethyl ω,ω,ω-trifluoroacetoacetate
CN Ethyl 3-oxo-4,4,4-trifluorobutanoate
CN Ethyl 4,4,4-trifluoro-3-oxobutanoate
CN Ethyl 4,4,4-trifluoro-3-oxobutyrate
CN **Ethyl 4,4,4-trifluoroacetoacetate**
CN Ethyl 4,4,4-trifluoroacetylacetonate
CN Ethyl trifluoroacetoacetate
CN NSC 42739
CN NSC 49750
FS 3D CONCORD
MF C6 H7 F3 O3
CI COM
LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, PS, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

616 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
616 REFERENCES IN FILE CAPLUS (1907 TO DATE)
25 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.73	192.41

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.92

FILE 'CAPLUS' ENTERED AT 11:25:03 ON 26 AUG 2005

FILE COVERS 1907 - 26 Aug 2005 VOL 143 ISS 10
FILE LAST UPDATED: 25 Aug 2005 (20050825/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> l9/prep
           616 L9
       3348673 PREP/RL
L10          26 L9/PREP
                  (L9 (L) PREP/RL)

=> alkoxide
         18843 ALKOXIDE
         14664 ALKOXIDES
L11      26898 ALKOXIDE
                  (ALKOXIDE OR ALKOXIDES)

=> l10 and l11
L12           0 L10 AND L11

=> ?oxide
L13     2564126 ?OXIDE

=> l10 and l12
L14           0 L10 AND L12

=> claiasen
              0 CLAIASEN
L15           0 CLAIASEN

=> claisen
           6500 CLAISEN
              3 CLAISENS
L16        6502 CLAISEN
                  (CLAISEN OR CLAISENS)

=> l10 and l16
L17           3 L10 AND L16

=> d l17 1-3 ti fbib abs

L17  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2005 ACS on STN
TI   Manufacture of alkyl trifluoroacetoacetate
AN   1988:612818  CAPLUS
DN   109:212818
TI   Manufacture of alkyl trifluoroacetoacetate
IN   Mysinsky, Edward
PA   Monsanto Co., Japan
SO   Jpn. Kokai Tokkyo Koho, 8 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     --------------       ----   --------    --------------------    --------
PI   JP 63156753           A2    19880629    JP 1986-298587          19861215
     JP 05029344           B4    19930430
                                               JP 1986-298587          19861215
AB   The title compds. are prepared by reacting C1-5 alkyl 3-alkoxy-3-hydroxy-
     4,4,4-trifluorobutanoate (I) with acetyl halide or Ac2O under pressure at
     a temperature ≥10° but lower than the reflux temperature of the reaction
     mixture  Adding 79.0 parts Et trifluoroacetate to 61.8 parts cyclohexane
     (II) and 22.3 parts NaOH (as 60% mineral oil dispersion), heating with
     53.9 parts EtOAc for 2 h at 45-60°, diluting with 55.7 parts II,
     neutralizing with HCl, refluxing the slurry with 41.5 parts CH3COCl,
```

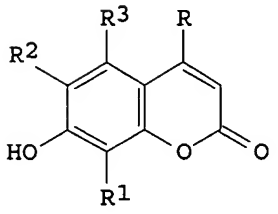
filtering, washing and distilling provided 75% Et trifluoroacetoacetate.

L17 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
TI Preparation of alkyl trifluoroacetoacetate
AN 1987:439216 CAPLUS
DN 107:39216
TI Preparation of alkyl trifluoroacetoacetate
IN Micinski, Edward
PA Monsanto Co. , USA
SO U.S., 6 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4647689	A	19870303	US 1982-403754	19820730
CA 1284153	A1	19910514	CA 1986-524197	19861201
			US 1982-403754	19820730
AU 591536	B2	19891207	AU 1986-66060	19861203
AU 8666060	A1	19880609		
			US 1982-403754	19820730
EP 270724	A1	19880615	EP 1986-870187	19861212
EP 270724	B1	19901128		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
			US 1982-403754	19820730
AT 58719	E	19901215	AT 1986-870187	19861212
			EP 1986-870187 A	19861212

OS CASREACT 107:39216
AB The title C1-5 alkyl trifluoroacetoacetates (I) are prepared by acetylation of C1-5 alkyl 3-alkoxy-3-hydroxy-4,4,4-trifluorobutanoate obtained from **Claisen** condensation of alkyl trifluoroacetate and alkyl acetate in the presence of a strog base. F3CCO2Et was condensed with EtOAc in the presence of NaH to give a mixture containing EtOH and F3COCH2CO2Et.Na, which was neutralized with HCl to give F3CC(OH)(OEt)CH2CO2Et, treatment of which with AcCl gave 75% F3CCOCH2COEt.

L17 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
TI Synthesis and spectral study of 4-(perfluoroalkyl)coumarins
AN 1982:544728 CAPLUS
DN 97:144728
TI Synthesis and spectral study of 4-(perfluoroalkyl)coumarins
AU Bayer, V.; Pastor, R.; Cambon, A.
CS Fac. Sci., Unites Enseign. Rech., Nice, 06034, Fr.
SO Journal of Fluorine Chemistry (1982), 20(2), 187-202
CODEN: JFLCAR; ISSN: 0022-1139
DT Journal
LA French
GI



I

AB Coumarins I [R = (CF2)nCF3 (n = 0, 2, 4, 6); R1 = H, OH, Me; R2, R3 = H, OH] were obtained by treating RCOCH2CO2Et with phenols. RCOCH2CO2Et were prepared by **Claisen** condensation of RCO2Et with EtOAc. The 1H and 19 F-NMR spectra of I are discussed. A new long distance H-F coupling constant [5J] was observed and interpreted as a coupling through space.

```
=> logoff hold
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        21.45     213.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -2.19      -5.11

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:30:10 ON 26 AUG 2005

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:22:09 ON 26 AUG 2005
FILE 'CAPLUS' ENTERED AT 12:22:09 ON 26 AUG 2005
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COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        21.45     213.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                        -2.19      -5.11

=> d his

     (FILE 'HOME' ENTERED AT 10:08:42 ON 26 AUG 2005)

     FILE 'REGISTRY' ENTERED AT 10:08:50 ON 26 AUG 2005
L1                STRUCTURE UPLOADED
L2              0 SEARCH L1 SSS SAM
L3              0 SEARCH L1 SSS SAM
L4              8 SEARCH L1 SSS FULL

     FILE 'CAPLUS' ENTERED AT 10:16:14 ON 26 AUG 2005
L5              5 L4
L6              4 L4/PREP
L7           8790 TRIFLUOROACETATE
L8              0 L6 AND L7

     FILE 'CASREACT' ENTERED AT 10:21:01 ON 26 AUG 2005
                SET NOTICE DISPLAY 1
                SET NOTICE LOGIN DISPLAY

     FILE 'REGISTRY' ENTERED AT 11:23:02 ON 26 AUG 2005
                E ETHYL-4,4,4-TRIFLUOACETOACETATE/CN
                E ETHYL-4,4,4-TRIFLUOROACETOACETATE/CN
```

```
                E ETHYL 4,4,4-TRIFLUOROACETOACETATE/CN
L9              1 E3

     FILE 'CAPLUS' ENTERED AT 11:25:03 ON 26 AUG 2005
L10            26 L9/PREP
L11         26898 ALKOXIDE
L12             0 L10 AND L11
L13       2564126 ?OXIDE
L14             0 L10 AND L12
L15             0 CLAIASEN
L16          6502 CLAISEN
L17             3 L10 AND L16

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    21.90     214.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -2.19      -5.11

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:22:27 ON 26 AUG 2005
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